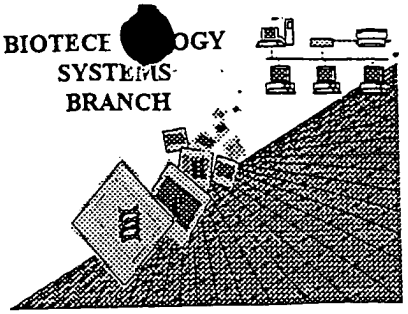
BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/598,042

Source: OIPE

Date Processed by STIC: 6/30/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October-1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

OIPE

RAW SEQUENCE LISTING DATE: 07/06/2000
PATENT APPLICATION: US/09/598,042 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

Does Not Comply
Corrected Diskette Needed

```
      6 <110> APPLICANT: Tang, Y. Tom
      7       Liu, Chenghua
      8       Asundi, Vinod
      9       Xu, Chongjun
     10       Zhou, Ping
     11       Ma, Yunqing
     12       Wang, Jian-Rui
     13       Zhao, Qing A.
     14       Ren, Feiyan
     15       Chen, Rui-hong
     16       Wang, Dunrui
     17       Wang, Zhiwei
     18       Wehrman, Tom
     19       Zhang, Jie
     20       Qian, Xiaohong B.
     21       Tillinghast, John
     22       Drmanac, Radoje T.
     25 <120> TITLE OF INVENTION: Novel Nucleic Acids and
     26       Polypeptides
     30 <130> FILE REFERENCE: 784CIP2
C--> 32 <140> CURRENT APPLICATION NUMBER: US/09/598,042
C--> 33 <141> CURRENT FILING DATE: 2000-06-20
     36 <150> PRIOR APPLICATION NUMBER: 09/552,317
     37 <151> PRIOR FILING DATE: 2000-04-25
     39 <150> PRIOR APPLICATION NUMBER: 09/488,725
     40 <151> PRIOR FILING DATE: 2000-01-21
     42 <160> NUMBER OF SEQ ID NOS: 331
     44 <170> SOFTWARE: pt_FL_genes Version 1.0
     50 <210> SEQ ID NO: 1
     51 <211> LENGTH: 1630
     52 <212> TYPE: DNA
     53 <213> ORGANISM: Homo sapiens
     55 <220> FEATURE:
     56 <221> NAME/KEY: CDS
     57 <222> LOCATION: (261)..(1052)
     59 <400> SEQUENCE: 1
     60  cccgacgtcg catgctcccg gccgccatgg ccgcgggatt ttcccgggtc gacgatttcg    60
     62  ttttgctcac aggctggagt gcagtggtgc aatctcagct tactgcaacc tccgccagtg   120
     64  aggcccttca ttagacacta atttgaagct atggcattcc cccactatga gcccacctgt   180
     66  cagccaggct atctgccttg atcctagatg aagtggccat tctgcctgcc cctcagaacc   240
     68  tctctgtact ctcaaccaac    atg aag cat ctc ttg atg tgg agc cca gtg    290
     69                           Met Lys His Leu Leu Met Trp Ser Pro Val
W--> 70                             1               5              10
     72  atc gcg cct gga gaa aca gtg tac tat tct gtc gaa tac cag ggg gag    338
     73  Ile Ala Pro Gly Glu Thr Val Tyr Tyr Ser Val Glu Tyr Gln Gly Glu
W--> 74  11          15  16          20  21          25  26
     76  tac gag agc ctg tac acg agc cac atc tgg atc ccc agc agc tgg tgc    386
```

invalid amino acid numbering - per sequence Rules, number the amino acids under every 5 amino acids

Also, FYI, do not use TAB codes between amino acid numbering, use space characters

RAW SEQUENCE LISTING DATE: 07/06/2000
PATENT APPLICATION: US/09/598,042 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

```
     77  Tyr Glu Ser Leu Tyr Thr Ser His Ile Trp Ile Pro Ser Ser Trp Cys
W--> 78   27                  32                  37                  42
     80  tca ctc act gaa ggt cct gag tgt gat gtc act gat gac atc acg gcc      434
     81  Ser Leu Thr Glu Gly Pro Glu Cys Asp Val Thr Asp Asp Ile Thr Ala
W--> 82   43                  48                  53                  58
     84  act gtg cca tac aac ctt cgt gtc agg gcc aca ttg ggc tca cag acc      482
     85  Thr Val Pro Tyr Asn Leu Arg Val Arg Ala Thr Leu Gly Ser Gln Thr
W--> 86   59                  64                  69                  74
     88  tca gcc tgg agc atc ctg aag cat ccc ttt aat aga aac tca acc atc      530
     89  Ser Ala Trp Ser Ile Leu Lys His Pro Phe Asn Arg Asn Ser Thr Ile
W--> 90   75                  80                  85                  90
     92  ctt acc cga cct ggg atg gag atc acc aaa gat ggc ttc cac ctg gtt      578
     93  Leu Thr Arg Pro Gly Met Glu Ile Thr Lys Asp Gly Phe His Leu Val
W--> 94   91                  96                  101                 106
     96  att gag ctg gag gac ctg ggg ccc cag ttt gag ttc ctt gtg gcc tac      626
     97  Ile Glu Leu Glu Asp Leu Gly Pro Gln Phe Glu Phe Leu Val Ala Tyr
W--> 98  107                 112                 117                 122
    100  tgg agg agg gag cct ggt gcc gag gaa cat gtc aaa atg gtg agg agt      674
    101  Trp Arg Arg Glu Pro Gly Ala Glu Glu His Val Lys Met Val Arg Ser
W--> 102 123                 128                 133                 138
    104  ggg ggt att cca gtg cac cta gaa acc atg gag cca ggg gct gca tac      722
    105  Gly Gly Ile Pro Val His Leu Glu Thr Met Glu Pro Gly Ala Ala Tyr
W--> 106 139                 144                 149                 154
    108  tgt gtg aag gcc cag aca ttc gtg aag gcc att ggg agg tac agc gcc      770
    109  Cys Val Lys Ala Gln Thr Phe Val Lys Ala Ile Gly Arg Tyr Ser Ala
W--> 110 155                 160                 165                 170
    112  ttc agc cag aca gaa tgt gtg gag gtg caa gga gag gcc att ccc ctg      818
    113  Phe Ser Gln Thr Glu Cys Val Glu Val Gln Gly Glu Ala Ile Pro Leu
W--> 114 171                 176                 181                 186
    116  gta ctg gcc ctg ttt gcc ttt gtt ggc ttc atg ctg atc ctt gtg gtc      866
    117  Val Leu Ala Leu Phe Ala Phe Val Gly Phe Met Leu Ile Leu Val Val
W--> 118 187                 192                 197                 202
    120  gtg cca ctg ttc gtc tgg aaa atg ggc cgg ctg ctc cag tac tcc tgt      914
    121  Val Pro Leu Phe Val Trp Lys Met Gly Arg Leu Leu Gln Tyr Ser Cys
W--> 122 203                 208                 213                 218
    124  tgc ccc gtg gtg gtc ctc cca gac acc ttg aaa ata acc aat tca ccc      962
    125  Cys Pro Val Val Val Leu Pro Asp Thr Leu Lys Ile Thr Asn Ser Pro
W--> 126 219                 224                 229                 234
    128  cag aag tta atc agc tgc aga agg gag gag gtg gat gcc tgt gcc acg     1010
    129  Gln Lys Leu Ile Ser Cys Arg Arg Glu Glu Val Asp Ala Cys Ala Thr
W--> 130 235                 240                 245                 250
    132  gct gtg atg tct cct gag gaa ctc ctc agg gcc tgg atc tca taggttt     1059
    133  Ala Val Met Ser Pro Glu Glu Leu Leu Arg Ala Trp Ile Ser
W--> 134 251                 256                 261
    136  gcggaagggc ccaggtgaag ccgagaacct ggtctgcatg acatggaaac catgagggga   1119
    138  caagttgtgt ttctgttttc cgccacggac aagggatgag agaagtagga agagcctgtt   1179
    140  gtctacaagt ttagaagcaa ccatcagagg cagggtggtt tgtctaacag aacactgact   1239
    142  gaggcttagg ggatgtgacc tctagactgg gggctgccac ttgctggctg agcaaccctg   1299
    144  ggaaaagtga cttcatccct tcggtcctaa gttttctcat ctgtaatggg ggaattacct   1359
```

same error

RAW SEQUENCE LISTING DATE: 07/06/2000
PATENT APPLICATION: US/09/598,042 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

```
     146  acacacctgc taaacacaca cacacagagt ctctctctat atatacacac gtacacataa   1419
     148  atacacccag cacttgcaag gctagaggga aactggtgac actctacagt ctgactgatt   1479
     150  cagtgtttct ggagagcagg acataaatgt atgatgagaa tgatcaagga ctctacacac   1539
     152  tgggtggctt ggaaagccca ctttcccaga ataatccttg agagaaaaag aatcatggga   1599
     154  accatggttg tgagttcact tcaagcccaa t                                  1630
     159 <210> SEQ ID NO: 2
     160 <211> LENGTH: 3186
     161 <212> TYPE: DNA
     162 <213> ORGANISM: Homo sapiens
     164 <220> FEATURE:
     165 <221> NAME/KEY: CDS
     166 <222> LOCATION: (22)..(1848)
     168 <400> SEQUENCE: 2
     169  gcgaattggg cccgacgtcg c  atg ctc ccg gcc gcc atg gcc gcg gga ttg      51
     170                          Met Leu Pro Ala Ala Met Ala Ala Gly Leu
W--> 171                            1               5
     173  tcc ttc atc cac gtg atg tcg ttc ccg ggt cga cga ttt cgt cgg cag      99
     174  Ser Phe Ile His Val Met Ser Phe Pro Gly Arg Arg Phe Arg Arg Gln
W--> 175   11                  16                  21                  26
     177  gtg gcc cgg ctg ggc cgc act atg cgg ctg cag tgc cca gtg gag ggg     147
     178  Val Ala Arg Leu Gly Arg Thr Met Arg Leu Gln Cys Pro Val Glu Gly
W--> 179   27                  32                  37                  42
     181  gac ccg ccg ccg ctg acc atg tgg acc aag gat ggc cgc acc atc cac     195
     182  Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg Thr Ile His
W--> 183   43                  48                  53                  58
     185  agc ggc tgg agc cgc ttc cgc gtg ctg ccg cag ggg ctg aag gtg aag     243
     186  Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu Lys Val Lys
W--> 187   59                  64                  69                  74
     189  cag gtg gag cgg gag gat gcc ggc gtg tac gtg tgc aag gcc acc aac     291
     190  Gln Val Glu Arg Glu Asp Ala Gly Val Tyr Val Cys Lys Ala Thr Asn
W--> 191   75                  80                  85                  90
     193  ggc ttc ggc agc ctg agc gtc aac tac acc ctc gtc gtg ctg gat gac     339
     194  Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Val Val Leu Asp Asp
W--> 195   91                  96                  101                 106
     197  att agc cca ggg aag gag agc ctg ggg ccc gac agc tcc tct ggg ggt     387
     198  Ile Ser Pro Gly Lys Glu Ser Leu Gly Pro Asp Ser Ser Ser Gly Gly
W--> 199  107                 112                 117                 122
     201  caa gag gac ccc gcc agc cag cag tgg gca cga ccg cgc ttc aca cag     435
     202  Gln Glu Asp Pro Ala Ser Gln Gln Trp Ala Arg Pro Arg Phe Thr Gln
W--> 203  123                 128                 133                 138
     205  ccc tcc aag atg agg cgc cgg gtg atc gca cgg ccc gtg ggt agc tcc     483
     206  Pro Ser Lys Met Arg Arg Arg Val Ile Ala Arg Pro Val Gly Ser Ser
W--> 207  139                 144                 149                 154
     209  gtg cgg ctc aag tgc gtg gcc agc ggg cac cct cgg ccc gac atc acg     531
     210  Val Arg Leu Lys Cys Val Ala Ser Gly His Pro Arg Pro Asp Ile Thr
W--> 211  155                 160                 165                 170
     213  tgg atg aag gac gac cag gcc ttg acg cgc cca gag gcc gct gag ccc     579
     214  Trp Met Lys Asp Asp Gln Ala Leu Thr Arg Pro Glu Ala Ala Glu Pro
W--> 215  171                 176                 181                 186
```

RAW SEQUENCE LISTING DATE: 07/06/2000
PATENT APPLICATION: US/09/598,042 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

```
     217  agg aag aag aag tgg aca ctg agc ctg aag aac ctg cgg ccg gag gac      627
     218  Arg Lys Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Arg Pro Glu Asp
W--> 219  187                 192                 197                 202
     221  agc ggc aaa tac acc tgc cgc gtg tcg aac cgc gcg ggc gcc atc aac      675
     222  Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Arg Ala Gly Ala Ile Asn
W--> 223  203                 208                 213                 218
     225  gcc acc tac aag gtg gat gtg atc cag cgg acc cgt tcc aag ccc gtg      723
     226  Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser Lys Pro Val
W--> 227  219                 224                 229                 234
     229  ctc aca ggc acg cac ccc gtg aac acg acg gtg gac ttc ggg ggg acc      771
     230  Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe Gly Gly Thr
W--> 231  235                 240                 245                 250
     233  acg tcc ttc cag tgc aag gtg cgc agc gac gtg aag ccg gtg atc cag      819
     234  Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro Val Ile Gln
W--> 235  251                 256                 261                 266
     237  tgg ctg aag cgc gtg gag tac ggc gcc gag ggc cgc cac aac tcc acc      867
     238  Trp Leu Lys Arg Val Glu Tyr Gly Ala Glu Gly Arg His Asn Ser Thr
W--> 239  267                 272                 277                 282
     241  atc gat gtg ggc ggc cag aag ttt gtg gtg ctg ccc acg ggt gac gtg      915
     242  Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr Gly Asp Val
W--> 243  283                 288                 293                 298
     245  tgg tcg cgg ccc gac ggc tcc tac ctc aat aag ctg ctc atc acc cgt      963
     246  Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu Ile Thr Arg
W--> 247  299                 304                 309                 314
     249  gcc cgc cag gac gat gcg ggc atg tac atc tgc ctt ggc gcc aac acc     1011
     250  Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly Ala Asn Thr
W--> 251  315                 320                 325                 330
     253  atg ggc tac agc ttc cgc agc gcc ttc ctc acc gtg ctg cca gac cca     1059
     254  Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu Pro Asp Pro
W--> 255  331                 336                 341                 346
     257  aaa ccg cca ggg cca cct gtg gcc tcc tcg tcc tcg gcc act agc ctg     1107
     258  Lys Pro Pro Gly Pro Pro Val Ala Ser Ser Ser Ser Ala Thr Ser Leu
W--> 259  347                 352                 357                 362
     261  ccg tgg ccc gtg gtc atc ggc atc cca gcc ggc gct gtc ttc atc ctg     1155
     262  Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val Phe Ile Leu
W--> 263  363                 368                 373                 378
     265  ggc acc ctg ctc ctg tgg ctt tgc cag gcc cag aag aag ccg tgc acc     1203
     266  Gly Thr Leu Leu Leu Trp Leu Cys Gln Ala Gln Lys Lys Pro Cys Thr
W--> 267  379                 384                 389                 394
     269  ccc gcg cct gcc cct ccc ctg cct ggg cac cgc ccg ccg ggg acg gcc     1251
     270  Pro Ala Pro Ala Pro Pro Leu Pro Gly His Arg Pro Pro Gly Thr Ala
W--> 271  395                 400                 405                 410
     273  cgc gac cgc agc gga gac aag gac ctt ccc tcg ttg gcc gcc ctc agc     1299
     274  Arg Asp Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala Ala Leu Ser
W--> 275  411                 416                 421                 426
     277  gct ggc cct ggt gtg ggg ctg tgt gag gag cat ggg tct ccg gca gcc     1347
     278  Ala Gly Pro Gly Val Gly Leu Cys Glu Glu His Gly Ser Pro Ala Ala
W--> 279  427                 432                 437                 442
     281  ccc cag cac tta ctg ggc cca ggc cca gtt gct ggc cct aag ttg tac     1395
```

RAW SEQUENCE LISTING DATE: 07/06/2000
PATENT APPLICATION: US/09/598,042 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

```
     282  Pro Gln His Leu Leu Gly Pro Gly Pro Val Ala Gly Pro Lys Leu Tyr
W--> 283  443                 448                 453                 458
     285  ccc aaa ctc tac aca gac atc cac aca cac aca cac tgt att gcg gcc     1443
     286  Pro Lys Leu Tyr Thr Asp Ile His Thr His Thr His Cys Ile Ala Ala
W--> 287  459                 464                 469                 474
     289  gcc tgt gtg agg agc atg ggt ctc cgg cag ccc ccc agc act tac tgg     1491
     290  Ala Cys Val Arg Ser Met Gly Leu Arg Gln Pro Pro Ser Thr Tyr Trp
W--> 291  475                 480                 485                 490
     293  gcc cag gcc cag ttg ctg gcc cta agt tgt acc cca aac tct aca cag     1539
     294  Ala Gln Ala Gln Leu Leu Ala Leu Ser Cys Thr Pro Asn Ser Thr Gln
W--> 295  491                 496                 501                 506
     297  aca tcc aca cac aca cac aca cac act ctc aca cac act cac acg tgg     1587
     298  Thr Ser Thr His Thr His Thr His Thr Leu Thr His Thr His Thr Trp
W--> 299  507                 512                 517                 522
     301  agg gca agg tcc acc agc aca tcc act atc agt gct aga cgg cac cgt     1635
     302  Arg Ala Arg Ser Thr Ser Thr Ser Thr Ile Ser Ala Arg Arg His Arg
W--> 303  523                 528                 533                 538
     305  atc tgc aga ggg cac ggg ggg gcc ggc cag aca ggc aga ctg gga gga     1683
     306  Ile Cys Arg Gly His Gly Gly Ala Gly Gln Thr Gly Arg Leu Gly Gly
W--> 307  539                 544                 549                 554
     309  tgg agg acg gag ctg cag acg aag gca ggg gac cca tgg cga gga gga     1731
     310  Trp Arg Thr Glu Leu Gln Thr Lys Ala Gly Asp Pro Trp Arg Gly Gly
W--> 311  555                 560                 565                 570
     313  atg gcc agc acc cca ggc agt ctg tgt gtg agg cat agc ccc tgg aca     1779
     314  Met Ala Ser Thr Pro Gly Ser Leu Cys Val Arg His Ser Pro Trp Thr
W--> 315  571                 576                 581                 586
     317  cac aca cac aga cac aca cac tac ctg gat gca tgt atg cac aca cat     1827
     318  His Thr His Arg His Thr His Tyr Leu Asp Ala Cys Met His Thr His
W--> 319  587                 592                 597                 602
     321  gcg cgc aca cgt gct ccc tga ag gcacacgtac gcacacacgc acatgcacag     1880
     322  Ala Arg Thr Arg Ala Pro  *
W--> 323  603                 608
     325  atatgccgcc tgggcacaca gataagctgc ccaaatgcac gcacacgcac agagacatgc   1940
     327  cagaacatac aaggacatgc tgcctgaaca tacacacgca cacccatgcg cagatgtgct   2000
     329  gcctggacac acacacacac acggatatgc tgtctggacg cacacacgtg cagatatggt   2060
     331  atccggacac acacgtgcac agatatgctg cctggacaca cagataatgc tgccttgaca   2120
     333  cacacatgca cggatattgc ctggacacac acacacacac gtgtgcacag atatgctgtc   2180
     335  tggacacgca cacacatgca gatatgctgc ctggacacac acttccagac acacgtgcac   2240
     337  aggcgcagat atgctgcctg gacacacgcg gatatgctgt ctagtcacac acacacgcag   2300
     339  acatgctgtc cggacacaca cacgcatgca cagatatgct gtccggacac acacacgcac   2360
     341  gcagatatgc tgcctggaca cacacacaga taatgctgcc tcaacactca cacacgtgca   2420
     343  gatattgcct ggacacacac atgtgcacag atatgctgtc tggacatgca cacacgtgca   2480
     345  gatatgctgt ccggatacac acgcacgcac acatgcagat atgctgcctg ggcacacact   2540
     347  tccggacaca catgcacaca caggtgcaga tatgctgcct ggacacacgc agactgacgt   2600
     349  gcttttggga gggtgtgccg tgaagcctgc agtacgtgtg ccgtgaggct catagttgat   2660
     351  gagggacttt ccctgctcca ccgtcactcc cccaactctg cccgcctctg tccccgcctc   2720
     353  agtccccgcc tccatccccg cctctgtccc ctggccttgg cggctatttt tgccacctgc   2780
     355  cttgggtgcc caggagtccc ctactgctgt gggctggggt tgggggcaca gcagccccaa   2840
     357  gcctgagagg ctggagccca tggctagtgg ctcatcccca ctgcattctc cccctgacac   2900
```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 07/06/2000
PATENT APPLICATION: US/09/598,042 TIME: 17:53:45

Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

L:32 M:270 C: Current Application Number differs, Replaced Current Application Number
L:33 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:82 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:86 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:98 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:118 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:122 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:126 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:130 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:134 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:171 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:175 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:179 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:183 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:187 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:191 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:195 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:199 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:203 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:207 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:211 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:215 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:219 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:223 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:227 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:231 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:235 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:239 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:243 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:247 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:251 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:255 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:259 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:263 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:267 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:271 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:275 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:279 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:283 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2

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Input Set : N:\jumbos\598042.txt
Output Set: N:\CRF3\07062000\I598042.raw

L:287 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:291 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:295 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:299 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:4084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:5765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:6785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:11220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:11606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:11608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:14744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:15911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:21216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:22869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103
L:25323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116
L:26165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:26169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:26406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125
L:26408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125
L:31573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:31575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:31712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160
L:31714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160
L:35204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:35363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189
L:35449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:37012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199
L:37371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201
L:37513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:38005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:38538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209
L:39649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217
L:42405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:42407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:43387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243
L:43603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244
L:44239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249
L:46042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:262
L:46044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:262
L:46506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:267

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L:48220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282
L:49481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:52665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311
L:54653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323